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## NOTICE OF ALLOWANCE AND FEE(S) DUE

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DALLAS, TX 75380

10/693,753

11/09/2009

10/24/2003

**EXAMINER** 

SAFAIPOUR, BOBBAK

ART UNIT

PAPER NUMBER

2440

2618

DATE MAILED: 11/09/2009

2003.07.003.WS0

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

Purva R. Rajkotia

TITLE OF INVENTION: WIRELESS NETWORK USING SHARED TRAFFIC CHANNEL MODE OF OPERATION FOR BROADCAST SERVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/09/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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						(Depositor's name)
			_			(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATT	ORNEY DOCKET NO.	CONFIRMATION NO.
10/693,753	10/24/2003		Purva R. Rajkotia		2003.07.003.WS0	2440
			AFFIC CHANNEL MODE			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/09/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS			
SAFAIPOUI  1. Change of corresponde	·	2618	455-515000			
CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED O			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is identi h in 37 CFR 3.11. Comp GNEE	ified below, no assignee bletion of this form is NO	data will appear on the part of the part o	atent. If an assignee is assignment. and STATE OR COUN	TRY)	ocument has been filed for
Please check the appropriate assignee category or categories (will not be  4a. The following fee(s) are submitted:  Issue Fee  Publication Fee (No small entity discount permitted)  Advance Order - # of Copies			b. Payment of Fee(s): (Plea	se first reapply any prod. Form PTO-2038 is at	eviously paid issue fee stached.	shown above)
	s SMALL ENTITY statu	is. See 37 CFR 1.27.	b. Applicant is no long	=		FR 1.27(g)(2). e assignee or other party in
interest as shown by the	records of the United Star	tes Patent and Trademark	Office.	ne appricant, a registeret	amorney of agent, of th	e assignee of outer party in
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/693,753 10/24/2003		Purva R. Rajkotia	2003.07.003.WS0 2440		
23990 75	590 11/09/2009		EXAM	INER	
DOCKET CLERK			SAFAIPOUL	R, BOBBAK	
P.O. DRAWER 800889 DALLAS, TX 75380			ART UNIT	PAPER NUMBER	
			2618		
			DATE MAILED: 11/09/2009		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 886 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 886 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/693,753	RAJKOTIA, PURVA R.			
Notice of Allowability	Examiner	Art Unit			
	BOBBAK SAFAIPOUR	2618			
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313 1.   This communication is responsive to Telephone Interview	(OR REMAINS) CLOSED in to or other appropriate communication. This application is sugard MPEP 1308.	his application. If not included ication will be mailed in due course. <b>THIS</b>			
2. X The allowed claim(s) is/are <u>1, 3, 5, 7, 10, 12-15, 17, 19, 21</u>	<u>-29</u> .				
3. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:	been received. been received in Application	No			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.   A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.				
INFORMAL PATENT APPLICATION (PTO-152) which give  5. CORRECTED DRAWINGS (as "replacement sheets") mus  (a) including changes required by the Notice of Draftspers  1) hereto or 2) to Paper No./Mail Date	es reason(s) why the oath or out of the submitted. Son's Patent Drawing Review	leclaration is deficient. ( PTO-948) attached			
<ul> <li>(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.</li> </ul>					
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./M 7. ☑ Examiner's A	rmal Patent Application nmary (PTO-413), ail Date mendment/Comment tatement of Reasons for Allowance			

#### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Roe on November 2, 2009.

The application has been amended as follows:

1. (Previously Presented) For use in a wireless network, a base station capable of transmitting broadcast data over a shared traffic channel to a plurality of mobile stations in a coverage area of said base station,

wherein said base station is capable of transmitting a first control message over said shared traffic channel to said plurality of mobile stations, said first control message operable to assign a shared public long code mask (PLCM) to said plurality of mobile stations, transmitting a second control message to said plurality of mobile stations, said second control message operable to assign a shared Walsh Code (WC) to said plurality of mobile stations, transmitting mobile station-specific information to a first target mobile station by transmitting in said broadcast data a first packet data unit containing a first local address identifier associated with said first target mobile station, transmitting multicast information to a first group of mobile stations by

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transmitting in said broadcast data a second packet data unit containing a second local address identifier associated with said first group of mobile stations,

wherein said broadcast data comprises [[a]] the first local address identifier and said mobile station-specific information, and wherein the first address identifier comprises fewer bits than the mobile station electronic serial number (ESN) value.

- 2. (Canceled)
- 3. (Currently Amended) The base station as set forth in Claim [[2]] 1 wherein said base station transmits said broadcast data to said plurality of mobile stations using said shared PLCM and said shared WC.
  - 4. (Canceled)
- 5. (Currently Amended) The base station as set forth in Claim [[4]] 1 wherein said base station assigns said first local address identifier to said first target mobile station.
  - 6. (Canceled)
- 7. (Currently Amended) The base station as set forth in Claim [[6]] 1 wherein said base station assigns said second local address identifier to said first group of mobile stations.

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8. (Previously Presented) A wireless network comprising a plurality of base

stations, wherein a first one of said plurality of base stations is capable of transmitting broadcast

data to a plurality of mobile stations over a shared traffic channel,

wherein said base station is capable of transmitting a first control message over said

shared traffic channel to said plurality of mobile stations, said first control message operable to

assign a shared public long code mask (PLCM) to said plurality of mobile stations, transmitting a

second control message to said plurality of mobile stations, said second control message operable

to assign a shared Walsh Code (WC) to said plurality of mobile stations, transmitting mobile

station-specific information to a first target mobile station by transmitting in said broadcast data

a first packet data unit containing a first local address identifier associated with said first target

mobile station, transmitting multicast information to a first group of mobile stations by

transmitting in said broadcast data a second packet data unit containing a second local address

identifier associated with said first group of mobile stations,

wherein said broadcast data comprises [[a]] the first local address identifier and said

mobile station-specific information, and wherein the first address identifier comprises fewer bits

than the mobile station electronic serial number (ESN) value.

9. (Canceled)

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10. (Currently Amended) The wireless network as set forth in Claim [[9]] 8 wherein said first base station transmits said broadcast data to said plurality of mobile stations using said shared PLCM and said shared WC.

## 11. (Canceled)

12. (Previously Presented) The wireless network as set forth in Claim [[11]]  $\underline{8}$  wherein said first base station assigns said first local address identifier to said first target mobile station.

## 13. (Canceled)

- 14. (Previously Presented) The wireless network as set forth in Claim 13 wherein said first base station assigns said second local address identifier to said first group of mobile stations.
- 15. (Previously Presented) For use in a wireless network, a method of transmitting broadcast data from a base station to a plurality of mobile stations in a coverage area of the base station using a shared traffic channel, the method comprising the steps of:

wherein said base station is capable of transmitting a first control message over said shared traffic channel to said plurality of mobile stations, said first control message operable to assign a shared public long code mask (PLCM) to said plurality of mobile stations, transmitting a

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second control message to said plurality of mobile stations, said second control message operable to assign a shared Walsh Code (WC) to said plurality of mobile stations, transmitting mobile station-specific information to a first target mobile station by transmitting in said broadcast data a first packet data unit containing a first local address identifier associated with said first target mobile station, transmitting multicast information to a first group of mobile stations by transmitting in said broadcast data a second packet data unit containing a second local address

wherein said broadcast data comprises [[a]] the first local address identifier and said mobile station-specific information, and wherein the first address identifier comprises fewer bits than the mobile station electronic serial number (ESN) value.

### 16. (Canceled)

identifier associated with said first group of mobile stations,

17. (Original) The method as set forth in Claim [[16]] <u>15</u> further comprising the step of transmitting the broadcast data to the plurality of mobile stations using the shared PLCM and the shared WC.

## 18. (Canceled)

19. (Currently Amended) The base station as set forth in Claim [[18]] 15 wherein said base station assigns said first local address identifier to said first target mobile station.

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20. (Canceled)

- 21. (Currently Amended) The method as set forth in Claim [[20]] 15 wherein the base station assigns the second local address identifier to the first group of mobile stations.
- 22. (New) The base station as set forth in Claim 3 wherein the WC is used for broadcast services in a shared F-PDCH traffic channel.
- 23. (New) The base station as set forth in Claim 3 wherein the WC is used for broadcast services in a shared F-SCH traffic channel.
- 24. (New) The wireless network as set forth in Claim 8 wherein the WC is used for broadcast services in a shared F-PDCH traffic channel.
- 25. (New) The wireless network as set forth in Claim 8 wherein the WC is used for broadcast services in a shared F-SCH traffic channel.
- 26. (New) The method as set forth in Claim 15 wherein the WC is used for broadcast services in a shared F-PDCH traffic channel.
- 27. (New) The method as set forth in Claim 15 wherein the WC is used for broadcast services in a shared F-SCH traffic channel.

28. (New) The method as set forth in Claim 15, wherein the WC is transmitted within Extended Channel Assignment Message (ECAM).

29. (New) The base station as set forth in Claim 3 wherein the WC is transmitted within Extended Channel Assignment Message (ECAM).

## Reasons for Allowance

Claims 2, 4, 6, 11, 13, 16, 18 and 20 have been cancelled.

New claims 22-29 have been added.

Claims 1, 3, 5, 7, 10, 12-15, 17, 19 and 21-29 are allowed.

The following is an examiner's statement of reasons for allowance:

Consider claim 1, the best prior art of record found during the examination of the present application, Jang et al (United States Patent Application Publication #2005/0025082 A1) in view of Noneman (EP 0 828355 A2), fails to specifically disclose, teach, or suggest for use in a wireless network, a base station capable of transmitting broadcast data over a shared traffic channel to a plurality of mobile stations in a coverage area of said base station, wherein said base station is capable of transmitting a first control message over said shared traffic channel to said plurality of mobile stations, said first control message operable to assign a shared public long

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code mask (PLCM) to said plurality of mobile stations, transmitting a second control message to said plurality of mobile stations, said second control message operable to assign a shared Walsh Code (WC) to said plurality of mobile stations, transmitting mobile station-specific information to a first target mobile station by transmitting in said broadcast data a first packet data unit containing a first local address identifier associated with said first target mobile station, transmitting multicast information to a first group of mobile stations by transmitting in said broadcast data a second packet data unit containing a second local address identifier associated with said first group of mobile stations, wherein said broadcast data comprises the first local address identifier and said mobile station-specific information, and wherein the first address identifier comprises fewer bits than the mobile station electronic serial number (ESN) value.

Claims 3, 5, 7, 21-22 and 29 are allowable because it is dependent upon independent claim 1.

Consider claim 8, the best prior art of record found during the examination of the present application, Jang et al (United States Patent Application Publication #2005/0025082 A1) in view of Noneman (EP 0 828355 A2), fails to specifically disclose, teach, or suggest a wireless network comprising a plurality of base stations, wherein a first one of said plurality of base stations is capable of transmitting broadcast data to a plurality of mobile stations over a shared traffic channel, wherein said base station is capable of transmitting a first control message over said shared traffic channel to said plurality of mobile stations, said first control message operable to assign a shared public long code mask (PLCM) to said plurality of mobile stations, transmitting a second control message to said plurality of mobile stations, said second control

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message operable to assign a shared Walsh Code (WC) to said plurality of mobile stations, transmitting mobile station-specific information to a first target mobile station by transmitting in said broadcast data a first packet data unit containing a first local address identifier associated with said first target mobile station, transmitting multicast information to a first group of mobile stations by transmitting in said broadcast data a second packet data unit containing a second local address identifier associated with said first group of mobile stations, wherein said broadcast data comprises the first local address identifier and said mobile station-specific information, and wherein the first address identifier comprises fewer bits than the mobile station electronic serial number (ESN) value.

Claims 10, 12, 14, and 24-25 are allowable because it is dependent upon independent claim 8.

Consider claim 15, the best prior art of record found during the examination of the present application, Jang et al (United States Patent Application Publication #2005/0025082 A1) in view of Noneman (EP 0 828355 A2), fails to specifically disclose, teach, or suggest a For use in a wireless network, a method of transmitting broadcast data from a base station to a plurality of mobile stations in a coverage area of the base station using a shared traffic channel, the method comprising the steps of: wherein said base station is capable of transmitting a first control message over said shared traffic channel to said plurality of mobile stations, said first control message operable to assign a shared public long code mask (PLCM) to said plurality of mobile stations, transmitting a second control message to said plurality of mobile stations, said second control message operable to assign a shared Walsh Code (WC) to said plurality of mobile

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stations, transmitting mobile station-specific information to a first target mobile station by transmitting in said broadcast data a first packet data unit containing a first local address identifier associated with said first target mobile station, transmitting multicast information to a first group of mobile stations by transmitting in said broadcast data a second packet data unit containing a second local address identifier associated with said first group of mobile stations, wherein said broadcast data comprises the first local address identifier and said mobile station-specific information, and wherein the first address identifier comprises fewer bits than the mobile station electronic serial number (ESN) value.

Claims 17, 19, 21 and 26-28 are allowable because it is dependent upon independent claim 15.

#### Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BOBBAK SAFAIPOUR whose telephone number is (571)270-1092. The examiner can normally be reached on Monday - Friday, 8:00 a.m. - 5:00 p.m., EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Anderson can be reached on (571) 272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

November 2, 2009

/Bobbak Safaipour/ Examiner, Art Unit 2618

/Matthew D. Anderson/ Supervisory Patent Examiner, Art Unit 2618